

Intel® 82801E Communications I/O Controller Hub (C-ICH) for Applied Computing

Product Highlights

- Flexible Graphics Memory Controller Hub (GMCH) support for the Intel® 810, 810E, and 815 GMCH products. This flexibility allows the Communications I/O Controller Hub (C-ICH) to be designed into systems with processors that can scale from the Intel® Celeron® processor at 300 MHz to the Pentium® III processor at 1.26 GHz and beyond, running on 66 MHz, 100 MHz or 133 MHz PSB configurations
- Flexible GMCH support which allows for either 100 or 133 MHz SDRAM to be designed in, enabling cost effective high volume memory
- Dual Integrated 10/100 Mbps LAN connect interfaces for cost-effective networking solutions
- Dual Integrated UARTs for overall BOM cost savings
- Two USB ports with one controller
- Support for ATA/100 enabling the fastest data & file transfer

Product Overview

With the Intel® 82801E C-ICH Intel has delivered an I/O Controller Hub (ICH) specifically suited for use within the communications and network appliance market segments. The Intel 82801E C-ICH is designed for use with the Intel 810, 810E, and 815 Graphics Memory Controller Hubs (GMCHs) providing board designers with outstanding scalability in a single board design. The Intel



82801E C-ICH can be designed into applied computing platforms with processors that range from the Intel Pentium III to Celeron processors.

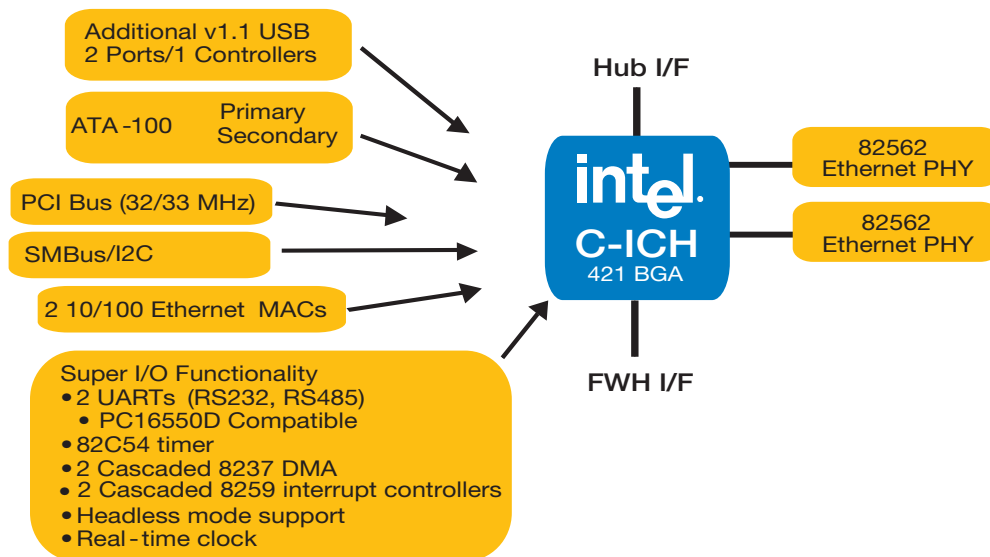
Intel has integrated features into the C-ICH that make the C-ICH a compelling solution for today's complex applied computing applications. The Intel 82801E C-ICH is a derivative of the 82801BA (ICH2) and builds upon the features available with the ICH2. The Intel 82801E C-ICH builds upon the ICH2 design by integrating dual LAN capability as well as dual 16550 compatible UARTs. The Intel 82801E C-ICH delivers an ideal solution for new innovative form factors.

The Intel 82801E C-ICH offers the performance, stability, and reliability customers require for applied computing applications. The Intel 82801E C-ICH and drivers reduce support costs, validation costs, and offer a variety of sell-up opportunities while still providing flexibility and performance at value pricing.

INTEL® 82801E C-ICH LINECARD

PRODUCT	PRODUCT CODE	PACKAGE	FEATURES
82801E Communications I/O Controller Hub (C-ICH)	FW82801E	421 BGA	<ul style="list-style-type: none"> - Direct connection to the GMCH with Intel's Accelerated Hub Architecture - Designed for use with the Intel® 810, 810E, and 815 GMCHs - Dual Integrated MACs and Dual Integrated UARTs for Overall system cost savings - Supports 32-bit PCI - IDE Controllers with ATA100 - Two USB ports

Intel® FW82801E C-ICH (Communications I/O Controller Hub)



Enhanced I/O and Integration for Reduced System costs

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